

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application.

1-139. (Canceled)

140. (Currently Amended) An isolated polypeptide ~~selected from the group consisting of:~~

(a) ~~a polypeptide comprising an~~ comprising the amino acid sequence of SEQ ID NO: 11;

(b) ~~a biologically active fragment of the polypeptide of (a); and~~

(c) ~~an immunogenic fragment of the polypeptide of (a).~~

141-143. (Canceled)

144. (Currently Amended) An isolated polypeptide of claim 140 encoded by a polynucleotide selected from the group consisting of:

(a) a polynucleotide comprising ~~[[a]]~~ the polynucleotide sequence of SEQ ID NO: 53;

(b) a polynucleotide comprising a naturally occurring polynucleotide sequence that has at least 90% identical identity to SEQ ID NO: 53;

(c) ~~a polynucleotide comprising a portion of the polynucleotide sequence of SEQ ID NO: 53 that specifically identifies SEQ ID NO: 53;~~

(d) ~~a polynucleotide comprising a polynucleotide complementary to the polynucleotide of (a), (b), or (c);~~

(e) ~~an RNA equivalent of the polynucleotide of (a) [[,]] or (b), (c) or (d); and~~

(f) (d) a polynucleotide of (a) [[,]] or (b) ~~or (c)~~ further comprising a promoter sequence operably linked to said polynucleotide of (a) [[,]] or (b) ~~or (c)~~.

145. (Previously Presented) An isolated polypeptide of claim 140 produced recombinantly.

146. (Currently Amended) An isolated polypeptide of claim ~~144~~ 145 produced by culturing a cell transformed with a polynucleotide of (d) under conditions suitable for expression of the polypeptide, and recovering the polypeptide so expressed.

147. (Withdrawn) An isolated antibody that specifically binds to a polypeptide of claim 140.

148. (Withdrawn) An isolated antibody of claim 147, wherein said antibody is selected from the group consisting of a polyclonal antibody, a monoclonal antibody, a chimeric antibody, a single chain antibody, a Fab fragment, a F(ab')₂ fragment, and a humanized antibody.

149. (Withdrawn) An isolated antibody of claim 147, wherein said antibody is selected by screening a recombinant immunoglobulin library.

150. (Withdrawn) An isolated antibody of claim 148, wherein said antibody is selected by screening a Fab expression library.

151. (Withdrawn) An isolated antibody that specifically binds to a polypeptide of claim 144.

152. (Withdrawn) An isolated antibody of claim 151, wherein said antibody is selected from the group consisting of a polyclonal antibody, a monoclonal antibody, a chimeric antibody, a single chain antibody, a Fab fragment, a F(ab')₂ fragment, and a humanized antibody.

153. (Withdrawn) An isolated antibody of claim 151, wherein said antibody is selected by screening a recombinant immunoglobulin library.

154. (Withdrawn) An isolated antibody of claim 151, wherein said antibody is selected by screening a Fab expression library.

155. (Withdrawn) A method of detecting a polypeptide of interest in a sample, comprising:

(a) incubating the sample with an antibody that specifically binds to a polypeptide of claim 140 under conditions suitable for binding of the antibody to the polypeptide of interest if present in the sample; and

(b) detecting binding of the polypeptide of interest to the antibody, wherein binding indicates the presence or amount of the polypeptide of interest in the sample.

156. (Withdrawn) A method of claim 155, wherein the sample is a body fluid sample from a human.

157. (Currently Amended) An isolated polynucleotide selected from the group consisting of:

(a) a polynucleotide comprising ~~[[a]]~~ the polynucleotide sequence of SEQ ID NO: 53;

(b) a polynucleotide comprising a naturally occurring polynucleotide sequence that has at least 90% ~~identical~~ identity to SEQ ID NO: 53;

(c) ~~a polynucleotide comprising a portion of the polynucleotide sequence of SEQ ID NO: 53 that specifically identifies SEQ ID NO: 53.~~

~~(d) a polynucleotide comprising a polynucleotide complementary to the polynucleotide of (a), (b), or (c);~~

~~(e) an RNA equivalent of the polynucleotide of (a) ~~[[,]]~~ or (b), ~~(c)~~ or ~~(d)~~; and~~

~~(f) (d) a polynucleotide of (a) ~~[[,]]~~ or (b) or ~~(c)~~ further comprising a promoter sequence operably linked to said polynucleotide of (a) ~~[[,]]~~ or (b) or ~~(c)~~.~~